Claims

1. Computer program for escaping a signaling transfer point (STP) signaling connection control part (SCCP) and for identifying a single application service request, comprising the steps of:

   mapping an incoming global title (GT) of an incoming SS7 message to an internal subsystem number (SSN) of a local user,

   mapping the internal SSN to a set of application service requests,

   identifying a single application service request using transaction capabilities application part (TCAP) filter mechanism.

2. The computer program, as set forth in claim 1, wherein

   mapping is performed using online configurable tables.

3. Computer program for escaping a signaling transfer point (STP) signaling connection control part (SCCP) and for identifying a single application service, comprising the steps of:

   routing an incoming SS7 message to an internal subsystem number (SSN) of a local user based on an incoming subsystem number (SSN),

mapping the internal SSN to a set of application service requests,

identifying a single application service request using transaction capabilities application part (TCAP) filter mechanism.

4. The computer program, as set forth in claim 3, wherein

mapping and routing is performed using online configurable tables.

5. Computer program for escaping a signaling transfer point (STP) signaling connection control part (SCCP) and for identifying a single application service request, comprising the steps of:

mapping an incoming global title (GT) of an incoming SS7 message to an internal subsystem number (SSN) of a local user or routing an incoming SS7 message to an internal subsystem number (SSN) of a local user based on an incoming subsystem number (SSN),

mapping the internal SSN to a corresponding single application service request stored in a table including SSNs and corresponding single application service requests.

6. Interworking protocol between a signaling transfer point (STP) for processing SS7 messages and a signaling application server (SAS) for processing application service requests, wherein the interworking protocol is TCP/IP or UDP/IP including at least one field reserved to include a single application service request to be processed in the SAS.

7. Interworking protocol, as set forth in claim 6, wherein the interworking protocol includes a header and a pyload, wherein the payload includes at least one SCCP message, and wherein the header includes at least one of the following parameters: address information of the sending

unit in the STP, SCCP message type, internal application service id, GT translation indicator.

8. Signaling transfer point (STP) for routing SS7 links comprising at least one processor and at least one processing software to process incoming SS7 messages, to identify a single application service request in the incoming SS7 message, and to provide the identified single application service request to a signaling application server (SAS) for further processing, wherein the at least one processing software includes a SCCP Local User Escape process to identify a single application service request out of a signaling connection control part (SCCP).

9. Signaling transfer point (STP), as set forth in claim 8, wherein the at least one processing software includes at least a computer program as set forth in claim 1 or a a computer program as set forth in claim 3 or a computer program as set forth in claim 5.